

7 said [one or more] at least one subscriber station [stations], and wherein said [one or more] at least one subscriber station [stations presenting] presents said [communicated] programming in accordance with said [communicated] plurality of control signals, said method comprising the steps of:

13 inputting to a computer at said intermediate transmission station [some] data in respect to [a unit of] said programming;

14 transmitting a first [unit of] downloadable [executable computer program] code in respect to said [unit of] programming to said intermediate transmission station;

17 detecting the presence of said first [unit of] downloadable [executable computer program] code at said intermediate transmission station and passing said detected first [unit of] downloadable [executable computer program] code to said computer;

21 generating a second [unit of] downloadable [executable computer program] code by processing said inputted data under control of said first [unit of] downloadable [executable computer program] code;

24 transmitting said second [unit of] downloadable [executable computer program] code to said [one or more] at least one subscriber station [stations]; and

27 causing [one of] said [one or more] at least one subscriber station [stations] to receive [or] and present [some programming in respect to] information to perform one of completing and supplementing said [unit of] programming under control of said generated second [unit of] downloadable [executable computer program] code.

Sub
F2

3. (Twice amended) A method of communicating signals in a communications network, said communications network including [one or more] at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic control unit operatively connected to said at least one signal generator, and a detector operatively connected to said at least one signal generator, said method comprising the steps of:

D2 10 transmitting [one or more] a plurality of first signals from said at least one origination station [stations], each of said plurality of first signals including at least one generation instruction and at least one signal for comparison;

receiving in each of said plurality of intermediate transmission stations [receiving] said plurality of first signals [,];

detecting in each of said plurality of intermediate transmission stations said at least one generation instruction and said at least one signal for comparison [,];

passing in each of said plurality of intermediate transmission stations [passing] said at least one generation instruction and said at least one signal for comparison to [its] said automatic control unit [,];

generating in each of said plurality of intermediate transmission stations 2' [generating] a second signal in accordance with said at least one generation instruction; and

transferring in each of said plurality of intermediate transmission stations [its] said generated second signal to [its] said transmitter based on [one or more] at least one comparison [comparisons] performed by [its] said automatic control unit, wherein said second signal when generated by a first of said plurality of intermediate transmission stations is different from said second signal when generated by a second of said plurality of intermediate transmission stations [; and said plurality of intermediate transmission stations generating and transmitting different second signals].

Sub F3
D3
4. (Amended) A method of communicating signals in a communications network, said communications network including [one or more] at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic control unit operatively connected to said at least one signal generator, and a detector operatively connected to said at least one signal generator, said method comprising the steps of:

- (1) receiving a first signal at a transmission station;
- (2) generating at least one generation instruction and at least one signal for comparison to effect each of said plurality of intermediate transmission stations to generate a second [generated] signal in accordance with said at least one generation instruction and transfer said [generated] second signal to said transmitter of each of

said plurality of intermediate transmission stations based on [one or more comparisons] at least one comparison performed by said automatic control unit of each of said plurality of intermediate transmission stations; and

(3) transmitting said at least one generation instruction.

D3
cont

5. (Amended) A method of communicating signals in a communications network, said communications network including [one or more] at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic control unit operatively connected to said at least one signal generator, and a detector operatively connected to said at least one signal generator, said comprising the steps of:

(1) receiving a first signal to be transmitted;

(2) receiving an instruct signal which is effective, in one of a transmitter station and a receiver station, to [:(a) effect a transmitter station to] generate at least one generation instruction and at least one signal for comparison to effect each of said plurality of intermediate transmission stations to generate a [generated] second signal in accordance with said at least one generation instruction and transfer said [generated] second signal to said transmitter of each of said plurality of intermediate transmission stations based on [one or more comparisons] at least one

comparison performed by said automatic control unit of each of said plurality of intermediate transmission stations; [or

(b) effect a receiver station to generate at least one generation instruction and at least one signal for comparison to effect each of said plurality of intermediate transmission stations to generate a generated signal in accordance with said generation instruction and transfer said generated signal to said transmitter of each of said plurality of intermediate transmission stations based on one or more comparisons performed by said automatic control unit of said intermediate transmission station;]

D3
Cont (3) receiving a [transmitter] control signal which operates at said one of said transmitter station and said receiver station to communicate said at least one generation instruction and said at least one signal for comparison to [a] one of a transmitter station transmitter and a receiver station transmitter [station transmitter]; and

(4) transmitting said first signal, said instruct signal and said [transmitter] control signal.

6. (Amended) A method of communicating signals in a communications network, said communications network including [one or more] at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic

control unit operatively connected to said at least one signal generator, and a detector operatively connected to said automatic control unit [for detecting one or more instructions], said method comprising the steps of:

transmitting instructions from said at least one origination station [stations], said instructions including [a] at least one generation control signal;

transmitting data for processing from said at least one origination station [stations];

receiving said instructions and said data for processing in each of said plurality of intermediate transmission stations [receiving said instructions], and detecting said at least one generation control signal [and receiving said data for processing] , wherein said each of said plurality of intermediate transmission stations [passing] passes at least one of (1) said at least one generation control signal and (2) said data for processing to [its] said automatic control unit, and wherein each of said plurality of intermediate transmission stations [storing data for processing and generating] generates a signal based [on] by processing stored data and said data for processing [processed] in accordance with said at least one generation control signal [; and] such that said signal when generated by a first of said plurality of intermediate transmission stations is different from said signal when generated by a second of said plurality of intermediate transmission stations [said plurality of intermediate transmission stations generating and transmitting different signals].

7. (Amended) A method of communicating signals in a communications network, said communications network including [one or more]

at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic control unit operatively connected to said at least one signal generator, a detector operatively connected to said automatic control unit [for detecting one or more instructions], [and each] wherein said automatic control unit is being programmed to perform in a station-specific fashion, said method comprising the steps of:

(1) receiving a signal at a transmission station;

(2) generating at least one generation control signal to effect each of said plurality of intermediate transmission stations to generate a generation instruction [generated signal based on] by processing stored data [processed] in accordance with said at least one generation control signal; and

(3) transmitting said at least one generation control signal.

8. (Amended) A method of communicating signals in a communications network, said communications network including [one or more] at least one origination station [stations] and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver [for generating and transferring a signal to], a transmitter, an automatic control unit operatively connected to said at least one signal generator, a detector operatively connected to said automatic control unit [for detecting one or more

instructions], [and each] wherein said automatic control unit is being programmed to perform in a station-specific fashion, said method comprising the steps of:

(1) receiving a signal to be transmitted;

(2) receiving an instruct signal which is effective, in one of a transmitter station and a receiver station, to [: (a) effect a transmitter station to] generate at least one generation control signal which is effective to enable at least one of said plurality of intermediate transmission stations to generate a [generated signal based on] generation instruction by processing stored data [processed] in accordance with said at least one generation control signal; [or

(b) effect a receiver station to generate at least one generation control signal which is effective to enable at least one of said intermediate transmission stations to generate a generated signal based on stored data in accordance with said generation control signal;]

(3) receiving a [transmitter] communications control signal which operates at said one of said transmitter station and said receiver station to communicate said at least one generation control signal to one of a transmitter station transmitter and a receiver station transmitter; and

(4) transmitting said signal, said instruct signal and said [transmitter] communications control signal.

9. (Amended) The method of claim 3, wherein said at least one generation instruction instructs said plurality of intermediate transmission stations to generate software, and wherein said automatic control units are programmed

with different data of at least one [formula or] item to be generated, said method further comprising the [steps] step of transmitting an instruction from said at least one origination station [stations] , said instruction [which] is effective at said plurality of intermediate transmission stations to generate said data of at least one [formula or] item based on information stored at said plurality of intermediate transmission stations, and to [insert] place said at least one [formula or] item in one of a higher language code and a software module, to accomplish one of:

(1) performing one of compiling and linking [compile or link] said [generated] software, [or] and

(2) generating a [to generate] machine language code based on said data of at least one [formula or] item.

D⁴
cont

10. (Amended) The method of claim 3, wherein said automatic control units are programmed to respond to said at least one generation instruction at different times, said method further comprising the step of programming at least one receiver station in said communications network to assemble code in response to [one or more of] said plurality of first signals.

11. (Amended) The method of claim 3, wherein said plurality of first signals contain [one or more units of] mass medium programming, said method further comprising the steps of:

receiving a control signal which operates at each of said plurality of intermediate transmitter stations to communicate said [units of] mass medium programming to [at least one] said transmitter; and

transmitting [retransmitting] said [one or more units of] mass medium programming.

D4
cont

12. (Amended) The method of claim 3, wherein each of said plurality of intermediate transmission stations includes [one or more] at least one selective transmission device [devices], and wherein [each] said automatic control unit is programmed with one of information of [the] operating speeds of said at least one selective transmission device, information of connections of said at least one selective transmission device [or] and information of capacities of [its one or more] said at least one selective transmission device [devices], said method further comprising the step of transmitting from said [one or more] at least one origination station [stations] an instruct signal which is effective to cause at least one of said plurality of intermediate transmission stations to [perform one of (1) storing different ones of] store said at least one generation instruction and said at least one signal for comparison [at different ones of its one or more] at said at least one selective transmission device [devices and (2) storing said at least one generation instruction and said at least one signal for comparison] in a specific order.

13. (Amended) The method of claim 12, wherein [the one or more] said at least one selective transmission device [devices at at least one intermediate transmission station comprise] comprises a computer and a memory.

14. (Amended) The method of claim 3, wherein [each] said automatic control unit in each of said plurality of intermediate transmission station is programmed to control a storage device, said method further comprising the step of

instructing different ones of said plurality of intermediate transmission stations to store and retransmit different portions of said plurality of first signals.

15. (Amended) The method of claim 3, wherein [each] said automatic control unit in each of said plurality of intermediate transmission stations is programmed to control a switch, said method further comprising the step of instructing different ones of said plurality of intermediate transmission stations [each] to cause [its] said switch to communicate a specific portion of said plurality of first signals and said second signal [signals] at different times or on different channels.

16. (Amended) The method of claim 3, wherein each of said plurality of intermediate transmission stations [retransmits] transmits programming on a plurality of specific channels, said method further comprising the step of instructing different ones of said plurality of intermediate transmission stations to transmit a specific portion of said plurality of first signals on a plurality of different channels.

17. (Amended) The method of claim 3, further comprising the step of causing different ones of said plurality of intermediate transmission stations to [retransmit] transmit at least [some] a portion of said plurality of first signals at one of different times [or one] and different channels based on said at least one signal for comparison.

18. (Amended) The method of ~~claim~~ 3, further comprising the steps of:

programming at least one of said plurality of intermediate transmission stations to select at least one of: (1) ~~said~~ at least one generation instruction and (2) ~~said~~ at least one signal for comparison in accordance with a schedule; and transmitting at least some of said schedule from said at least one origination station [stations].

Sub
F5
D4
Con't

19. (Amended) The method of claim 3, wherein a retransmission control signal instructs said plurality of intermediate transmission stations to retransmit immediately, said method further comprising the step of selecting at least a portion of [one or more of] said at least one generation instruction and said at least one signal for comparison to store and retransmit.

20. (Amended) The method of claim 3, wherein [each] said automatic control unit is programmed to organize [at least some] a plurality of portions of said plurality of first signals in a specific order, said method further comprising the step of causing different ones of said plurality of intermediate transmission stations to organize said at least one generation instruction and said at least one signal for comparison in different orders.

21. (Amended) The method of claim 3, wherein [each] said automatic control unit is programmed to [insert] incorporate one of (1) at least one datum [or] and (2) a control instruction in at least [some] a portion of said plurality of first signals, said method further comprising the step of causing different ones of said plurality of intermediate transmission stations to [insert] incorporate different ones of said [data or] one of at least one datum and said control instruction [instructions].

D4
concl.

22. (Amended) The method of claim 3, further comprising the step of documenting the transmission of at least [some] a portion of said plurality of first signals and said second signal [signals] at specific ones of said plurality of intermediate transmission stations.

23. The method of claim 3, further comprising the step of transmitting at least one datum of an availability from said plurality of intermediate transmission stations to a remote data collection station.

24. (Amended) The method of claim 3, further comprising the step of transmitting at least [some] a portion of said at least one generation instruction and said at least one [of] signal for comparison from a first of said plurality of intermediate transmission stations.

Please add the following claims:

Sub
F6
DS

25. The method of claim 2, further comprising the step of transmitting at least some of said first downloadable code.

26. The method of claim 2, wherein said subscriber station generates said information to one of complete and supplement said programming by processing stored data, said method further comprising the step of transmitting data to be stored at said subscriber station.

27. The method of claim 2, where said second downloadable code is generated based on a schedule, said method further comprising the step of storing said schedule in said network.

Sub F7
28. The method of claim 2, further comprising the step of transmitting said programming to said subscriber station.

29. The method of claim 4, wherein a plurality of code signals are generated at said plurality of intermediate transmission stations in accordance with said at least one generation instruction, wherein said plurality of intermediate transmission stations transmit said plurality of code signals to at least one receiver station, and wherein said at least receiver station generates output information content by processing data in accordance with said plurality of code signals, said method further comprising the step of transmitting said data.

DS
Cont
30. The method of claim 4, where at least one of said plurality of intermediate transmission stations executes said at least one generation instruction based on a schedule, said method further comprising the step of transmitting said schedule.

Sub F8
31. The method of claim 4, wherein a plurality of code signals are generated at said plurality of intermediate transmission stations in accordance with said at least one generation instruction, wherein said plurality of intermediate transmission stations transmit said plurality of code signals to at least one ultimate receiver station, and wherein said at least ultimate receiver station one of receives, enables, and presents television programming in accordance with said plurality of code signals, said method further comprising the step of transmitting said television programming.

32. The method of claim 5, wherein said one of said transmitter station and said receiver station generates a plurality of code and command signals in accordance with said at least one generation instruction, and wherein at least ultimate receiver station generates output information content by processing data in accordance with said plurality of code and command signals, said method further comprising the step of transmitting said data.

33. The method of claim 5, where said at least one of said transmitter station and said receiver station executes said at least one generation instruction based on a schedule, said method further comprising the step of transmitting said schedule.

34. The method of claim 5, wherein said one of said transmitter station and said receiver station generates a plurality of code and command signals in accordance with said at least one generation instruction, and wherein at least ultimate receiver station one of receives, enables, and presents television programming in accordance with said plurality of code signals, said method further comprising the step of transmitting said television programming.

35. The method of claim 6, where at least one of said plurality of intermediate transmission stations executes said at least one generation instruction based on a schedule, said method further comprising the step of transmitting said schedule from said at least one origination station.

36. The method of claim 6, wherein a plurality of code signals are generated at said plurality of intermediate transmission stations in accordance with

said at least one generation instruction, wherein said plurality of intermediate transmission stations transmit said plurality of code signals to at least one ultimate receiver station, and wherein said at least ultimate receiver station one of receives, enables, and presents television programming in accordance with said plurality of code signals, said method further comprising the step of transmitting said television programming from one of (1) said at least one origination station and (2) said plurality of intermediate transmission stations.

37. The method of claim 7, further comprising the step of transmitting data to be stored at said plurality of intermediate transmission stations.

38. The method of claim 7, where at least one of said plurality of intermediate transmission stations generates at least one generation instruction based on a schedule, said method further comprising the step of storing said schedule in said network.

39. The method of claim 7, wherein said plurality of intermediate transmission stations transmit a plurality of generation instructions to at least one ultimate receiver station, and wherein said at least ultimate receiver station one of receives, enables, and presents television programming in accordance with said plurality of generation instructions, said method further comprising the step of transmitting said television programming to said ultimate receiver station.

40. The method of claim 8, further comprising the steps of:
receiving, at said at least one origination station, a class of data to be stored at said one of said transmitter station and said receiver station; and